

TD



PCT09

RAW SEQUENCE LISTING

DATE: 02/26/2003

PATENT APPLICATION: US/09/857,826B

TIME: 14:54:38

Input Set : A:\pf0637usn_subseqlist.txt

Output Set: N:\CRF4\02262003\I857826B.raw

1 <110> APPLICANT: TANG, Y. Tom
 2 YUE, Henry
 3 BAUGHN, Mariah R.
 4 HILLMAN, Jennifer L.
 5 LAL, Preeti
 6 AU-YOUNG, Janice
 7 YANG, Junming
 8 LU, Dyung Aina M.
 9 AZIMZAI, Yalda

p.6

11 <120> TITLE OF INVENTION: NEURON-ASSOCIATED PROTEINS

13 <130> FILE REFERENCE: PF-0637 USN

15 <140> CURRENT APPLICATION NUMBER: 09/857,826B

--> 16 <141> CURRENT FILING DATE: 2002-10-15

18 <150> PRIOR APPLICATION NUMBER: 60/119,365

19 <151> PRIOR FILING DATE: 1999-02-09

21 <150> PRIOR APPLICATION NUMBER: 60/124,687

22 <151> PRIOR FILING DATE: 1999-03-16

24 <150> PRIOR APPLICATION NUMBER: 60/198,234

25 <151> PRIOR FILING DATE: 1998-12-11

27 <150> PRIOR APPLICATION NUMBER: PCT/US99/30408

28 <151> PRIOR FILING DATE: 1999-12-10

30 <160> NUMBER OF SEQ ID NOS: 56

31 <170> SOFTWARE: PERL Program

33 <210> SEQ ID NO: 1

34 <211> LENGTH: 198

35 <212> TYPE: PRT

36 <213> ORGANISM: Homo sapiens

38 <220> FEATURE:

39 <221> NAME/KEY: misc_feature

40 <223> OTHER INFORMATION: Incyte ID No: 2417014CD1

42 <400> SEQUENCE: 1

43 Met Ala Gly Ser Pro Ser Arg Ala Ala Gly Arg Arg Leu Gln Leu

44 1 5 10 15

45 Pro Leu Leu Cys Leu Phe Leu Gln Gly Ala Thr Ala Val Leu Phe

46 20 25 30

47 Ala Val Phe Val Arg Tyr Asn His Lys Thr Asp Ala Ala Leu Trp

48 35 40 45

49 His Arg Ser Asn His Ser Asn Ala Asp Asn Glu Phe Tyr Phe Arg

50 50 55 60

51 Tyr Pro Lys Glu Ser His Ser Val Ala Gln Ala Gly Val Gln Arg

52 65 70 75

53 Arg Asn Leu Gly Ser Leu Gln Pro Ser Pro Pro Arg Trp Ser Phe

54 80 85 90

ENTERED

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/857,826B

DATE: 02/26/2003

TIME: 14:54:38

Input Set : A:\pf0637usn_subseqlist.txt

Output Set: N:\CRF4\02262003\I857826B.raw

```

55 Ala Leu Val Ala Gln Ala Gly Val Gln Trp His Asn Leu Gly Ser
56          95          100          105
57 Pro Gln Pro Leu Pro Pro Gly Phe Lys Arg Phe Ser Cys Leu Ser
58          110          115          120
59 Leu Leu Ser Ser Trp Asp Tyr Ser Leu Glu Ser Val Phe Pro Leu
60          125          130          135
61 Ile Ala Glu Gly Gln Arg Ser Ala Thr Ser Gln Ala Met His Gln
62          140          145          150
63 Leu Phe Gly Leu Phe Val Thr Leu Met Phe Ala Ser Val Gly Gly
64          155          160          165
65 Gly Leu Gly Gly Leu Leu Leu Lys Leu Pro Phe Leu Asp Ser Pro
66          170          175          180
67 Pro Arg Leu Pro Ala Leu Arg Gly Pro Ser Ser Leu Ala Gly Ala
68          185          190          195
69 Trp Arg Ala
72 <210> SEQ ID NO: 2
73 <211> LENGTH: 463
74 <212> TYPE: PRT
75 <213> ORGANISM: Homo sapiens
77 <220> FEATURE:
78 <221> NAME/KEY: misc_feature
79 <223> OTHER INFORMATION: Incyte ID No: 2634931CD1
81 <400> SEQUENCE: 2
82 Met His Gly Ser Cys Ser Phe Leu Met Leu Leu Leu Pro Leu Leu
83 1          5          10          15
84 Leu Leu Leu Val Ala Thr Thr Gly Pro Val Gly Ala Leu Thr Asp
85          20          25          30
86 Glu Glu Lys Arg Leu Met Val Glu Leu His Asn Leu Tyr Arg Ala
87          35          40          45
88 Gln Val Ser Pro Thr Ala Ser Asp Met Leu His Met Arg Trp Asp
89          50          55          60
90 Glu Glu Leu Ala Ala Phe Ala Lys Ala Tyr Ala Arg Gln Cys Val
91          65          70          75
92 Trp Gly His Asn Lys Glu Arg Gly Arg Arg Gly Glu Asn Leu Phe
93          80          85          90
94 Ala Ile Thr Asp Glu Gly Met Asp Val Pro Leu Ala Met Glu Glu
95          95          100          105
96 Trp His His Glu Arg Glu His Tyr Asn Leu Ser Ala Ala Thr Cys
97          110          115          120
98 Ser Pro Gly Gln Met Cys Gly His Tyr Thr Gln Val Val Trp Ala
99          125          130          135
100 Lys Thr Glu Arg Ile Gly Cys Gly Ser His Phe Cys Glu Lys Leu
101          140          145          150
102 Gln Gly Val Glu Glu Thr Asn Ile Glu Leu Leu Val Cys Asn Tyr
103          155          160          165
104 Glu Pro Pro Gly Asn Val Lys Gly Lys Arg Pro Tyr Gln Glu Gly
105          170          175          180
106 Thr Pro Cys Ser Gln Cys Pro Ser Gly Tyr His Cys Lys Asn Ser
107          185          190          195

```

RAW SEQUENCE LISTING

DATE: 02/26/2003

PATENT APPLICATION: US/09/857,826B

TIME: 14:54:38

Input Set : A:\pf0637usn_subseqlist.txt

Output Set: N:\CRF4\02262003\I857826B.raw

```

108 Leu Cys Glu Pro Ile Gly Ser Pro Glu Asp Ala Gln Asp Leu Pro
109                200                205                210
110 Tyr Leu Val Thr Glu Ala Pro Ser Phe Arg Ala Thr Glu Ala Ser
111                215                220                225
112 Asp Ser Arg Lys Met Gly Thr Pro Ser Ser Leu Ala Thr Gly Ile
113                230                235                240
114 Pro Ala Phe Leu Val Thr Glu Val Ser Gly Ser Leu Ala Thr Lys
115                245                250                255
116 Ala Leu Pro Ala Val Glu Thr Gln Ala Pro Thr Ser Leu Ala Thr
117                260                265                270
118 Lys Asp Pro Pro Ser Met Ala Thr Glu Ala Pro Pro Cys Val Thr
119                275                280                285
120 Thr Glu Val Pro Ser Ile Leu Ala Ala His Ser Leu Pro Ser Leu
121                290                295                300
122 Asp Glu Glu Pro Val Thr Phe Pro Lys Ser Thr His Val Pro Ile
123                305                310                315
124 Pro Lys Ser Ala Asp Lys Val Thr Asp Lys Thr Lys Val Pro Ser
125                320                325                330
126 Arg Ser Pro Glu Asn Ser Leu Asp Pro Lys Met Ser Leu Thr Gly
127                335                340                345
128 Ala Arg Glu Leu Leu Pro His Ala Gln Glu Glu Ala Glu Ala Glu
129                350                355                360
130 Ala Glu Leu Pro Pro Ser Ser Glu Val Leu Ala Ser Val Phe Pro
131                365                370                375
132 Ala Gln Asp Lys Pro Gly Glu Leu Gln Ala Thr Leu Asp His Thr
133                380                385                390
134 Gly His Thr Ser Ser Lys Ser Leu Pro Asn Phe Pro Asn Thr Ser
135                395                400                405
136 Ala Thr Ala Asn Ala Thr Gly Gly Arg Ala Leu Ala Leu Gln Ser
137                410                415                420
138 Ser Leu Pro Gly Ala Glu Gly Pro Asp Lys Pro Ser Val Val Ser
139                425                430                435
140 Gly Leu Asn Ser Gly Pro Gly His Val Trp Gly Pro Leu Leu Gly
141                440                445                450
142 Leu Leu Leu Leu Pro Pro Leu Val Leu Ala Gly Ile Phe
143                455                460

```

145 <210> SEQ ID NO: 3

146 <211> LENGTH: 316

147 <212> TYPE: PRT

148 <213> ORGANISM: Homo sapiens

150 <220> FEATURE:

151 <221> NAME/KEY: misc_feature

152 <223> OTHER INFORMATION: Incyte ID No: 110960CD1

154 <400> SEQUENCE: 3

155 Met Thr Gln Gly Lys Leu Ser Val Ala Asn Lys Ala Pro Gly Thr

156 1 5 10 15

157 Glu Gly Gln Gln Gln Val His Gly Glu Lys Lys Glu Ala Pro Ala

158 20 25 30

159 Val Pro Ser Ala Pro Pro Ser Tyr Glu Glu Ala Thr Ser Gly Glu

RAW SEQUENCE LISTING

DATE: 02/26/2003

PATENT APPLICATION: US/09/857,826B

TIME: 14:54:38

Input Set : A:\pf0637usn_subseqlist.txt

Output Set: N:\CRF4\02262003\I857826B.raw

```

160          35          40          45
161 Gly Met Lys Ala Gly Ala Phe Pro Pro Ala Pro Thr Ala Val Pro
162          50          55          60
163 Leu His Pro Ser Trp Ala Tyr Val Asp Pro Ser Ser Ser Ser Ser
164          65          70          75
165 Tyr Asp Asn Gly Phe Pro Thr Gly Asp His Glu Leu Phe Thr Thr
166          80          85          90
167 Phe Ser Trp Asp Asp Gln Lys Val Arg Arg Val Phe Val Arg Lys
168          95         100         105
169 Val Tyr Thr Ile Leu Leu Ile Gln Leu Leu Val Thr Leu Ala Val
170         110         115         120
171 Val Ala Leu Phe Thr Phe Cys Asp Pro Val Lys Asp Tyr Val Gln
172         125         130         135
173 Ala Asn Pro Gly Trp Tyr Trp Ala Ser Tyr Ala Val Phe Phe Ala
174         140         145         150
175 Thr Tyr Leu Thr Leu Ala Cys Cys Ser Gly Pro Arg Arg His Phe
176         155         160         165
177 Pro Trp Asn Leu Ile Leu Leu Thr Val Phe Thr Leu Ser Met Ala
178         170         175         180
179 Tyr Leu Thr Gly Met Leu Ser Ser Tyr Tyr Asn Thr Thr Ser Val
180         185         190         195
181 Leu Leu Cys Leu Gly Ile Thr Ala Leu Val Cys Leu Ser Val Thr
182         200         205         210
183 Val Phe Ser Phe Gln Thr Lys Phe Asp Phe Thr Ser Cys Gln Gly
184         215         220         225
185 Val Leu Phe Val Leu Leu Met Thr Leu Phe Phe Ser Gly Leu Ile
186         230         235         240
187 Leu Ala Ile Leu Leu Pro Phe Gln Tyr Val Pro Trp Leu His Ala
188         245         250         255
189 Val Tyr Ala Ala Leu Gly Ala Gly Val Phe Thr Leu Phe Leu Ala
190         260         265         270
191 Leu Asp Thr Gln Leu Leu Met Gly Asn Arg Arg His Ser Leu Ser
192         275         280         285
193 Pro Glu Glu Tyr Ile Phe Gly Ala Leu Asn Ile Tyr Leu Asp Ile
194         290         295         300
195 Ile Tyr Ile Phe Thr Phe Phe Leu Gln Leu Phe Gly Thr Asn Arg
196         305         310         315
197 Glu
200 <210> SEQ ID NO: 4
201 <211> LENGTH: 89
202 <212> TYPE: PRT
203 <213> ORGANISM: Homo sapiens
205 <220> FEATURE:
206 <221> NAME/KEY: misc_feature
207 <223> OTHER INFORMATION: Incyte ID No: 380721CD1
209 <400> SEQUENCE: 4
210 Met Ser Glu Gln Gly Asp Leu Asn Gln Ala Ile Ala Glu Glu Gly
211   1           5           10           15
212 Gly Thr Glu Gln Glu Thr Ala Thr Pro Glu Asn Gly Ile Val Lys

```

RAW SEQUENCE LISTING

DATE: 02/26/2003

PATENT APPLICATION: US/09/857,826B

TIME: 14:54:38

Input Set : A:\pf0637usn_subseqlist.txt

Output Set: N:\CRF4\02262003\I857826B.raw

```

213          20          25          30
214 Ser Glu Ser Leu Asp Glu Glu Glu Lys Leu Glu Leu Gln Arg Arg
215          35          40          45
216 Leu Glu Ala Gln Asn Gln Glu Arg Arg Lys Ser Lys Ser Gly Ala
217          50          55          60
218 Gly Lys Gly Lys Leu Thr Arg Ser Leu Ala Val Cys Glu Glu Ser
219          65          70          75
220 Ser Ala Arg Pro Gly Glu Glu Ser Leu Gln Gly Gln Thr Leu
221          80          85
223 <210> SEQ ID NO: 5
224 <211> LENGTH: 273
225 <212> TYPE: PRT
226 <213> ORGANISM: Homo sapiens
228 <220> FEATURE:
229 <221> NAME/KEY: misc_feature
230 <223> OTHER INFORMATION: Incyte ID No: 829443CD1
232 <400> SEQUENCE: 5
233 Met Arg Gly Ser Gln Glu Val Leu Leu Met Trp Leu Leu Val Leu
234 1          5          10          15
235 Ala Val Gly Gly Thr Glu His Ala Tyr Arg Pro Gly Arg Arg Val
236          20          25          30
237 Cys Ala Val Arg Ala His Gly Asp Pro Val Ser Glu Ser Phe Val
238          35          40          45
239 Gln Arg Val Tyr Gln Pro Phe Leu Thr Thr Cys Asp Gly His Arg
240          50          55          60
241 Ala Cys Ser Thr Tyr Arg Thr Ile Tyr Arg Thr Ala Tyr Arg Arg
242          65          70          75
243 Ser Pro Gly Leu Ala Pro Ala Arg Pro Arg Tyr Ala Cys Cys Pro
244          80          85          90
245 Gly Trp Lys Arg Thr Ser Gly Leu Pro Gly Ala Cys Gly Ala Ala
246          95          100          105
247 Ile Cys Gln Pro Pro Cys Arg Asn Gly Gly Ser Cys Val Gln Pro
248          110          115          120
249 Gly Arg Cys Arg Cys Pro Ala Gly Trp Arg Gly Asp Thr Cys Gln
250          125          130          135
251 Ser Asp Val Asp Glu Cys Ser Ala Arg Arg Gly Gly Cys Pro Gln
252          140          145          150
253 Arg Cys Val Asn Thr Ala Gly Ser Tyr Trp Cys Gln Cys Trp Glu
254          155          160          165
255 Gly His Ser Leu Ser Ala Asp Gly Thr Leu Cys Val Pro Lys Gly
256          170          175          180
257 Gly Pro Pro Arg Val Ala Pro Asn Pro Thr Gly Val Asp Ser Ala
258          185          190          195
259 Met Lys Glu Glu Val Gln Arg Leu Gln Ser Arg Val Asp Leu Leu
260          200          205          210
261 Glu Glu Lys Leu Gln Leu Val Leu Ala Pro Leu His Ser Leu Ala
262          215          220          225
263 Ser Gln Ala Leu Glu His Gly Leu Pro Asp Pro Gly Ser Leu Leu
264          230          235          240

```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/857,826B

DATE: 02/26/2003
TIME: 14:54:39

Input Set : A:\pf0637usn_subseqlist.txt
Output Set: N:\CRF4\02262003\I857826B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:31; N Pos. 537,585

Seq#:52; N Pos. 374